

WHAT IS CLAIMED IS

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1. An optical scanning device condensing a beam deflected by a light deflector, by a scanning and imaging lens toward a surface to be scanned to form a beam spot thereon, and scanning the surface to be
10 scanned by the beam spot,

wherein at least one lens of the scanning and imaging lens is configured so that a lens body thereof is held by a holding frame,

15 wherein a rib surface at an end in a longitudinal direction of the holding frame is inclined so that a ghost light generated as a result of the deflected beam being reflected by the end in the longitudinal direction of the holding frame is changed in light path in a sub-scan direction.

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25 2. The device as claimed in claim 1, wherein said rib surface is inclined as a result of being

rotated about an axis parallel to an optical axis of
said lens body.

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3. An optical scanning device condensing a
beam deflected by a light deflector, by a scanning and
imaging lens toward a surface to be scanned to form a
10 beam spot thereon, and scanning the surface to be
scanned by the beam spot,

wherein at least one lens of the scanning and
imaging lens is configured so that a lens body thereof
is held by a holding frame,

15 wherein a rib surface at an end in a
longitudinal direction of the holding frame is inclined
so that a ghost light generated as a result of the
deflected beam being reflected by the holding frame is
turned outside of an effective writing range in a main
20 scan direction.

25 4. The device as claimed in claim 3, wherein

said rib surface is inclined as a result of being rotated about an axis parallel to a sub-scan direction of the scanning and imaging lens.

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5. An optical scanning device condensing a beam deflected by a light deflector, by a scanning and imaging lens toward a surface to be scanned to form a beam spot thereon, and scanning the surface to be scanned by the beam spot,

wherein at least one lens of the scanning and imaging lens is configured so that a lens body thereof 15 is held by a holding frame,

wherein a rib surface at an end in a longitudinal direction of the holding frame is curved so that a ghost light generated as a result of the deflected beam being reflected by the holding frame 20 forms a beam spot sufficiently spread on the surface to be scanned.

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6. The device as claimed in claim 1, wherein
said lens body and holding frame are manufactured
through integral molding of a plastic material.

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7. The device as claimed in claim 3, wherein
said lens body and holding frame are manufactured
10 through integral molding of a plastic material.

15 8. The device as claimed in claim 5, wherein
said lens body and holding frame are manufactured
through integral molding of a plastic material.

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9. An image forming apparatus of performing
optical scanning of a photosensitive surface of a
photosensitive medium by an optical scanning device,
25 forming a latent image, and visualizing the latent image,

wherein the optical scanning device performing the optical scanning of the photosensitive surface of the photosensitive medium condenses the beam deflected by a light deflector, by a scanning and imaging lens 5 toward a surface to be scanned as the photosensitive surface to form a beam spot thereon, and scans the surface to be scanned by the beam spot,

wherein at least one lens of the scanning and imaging lens is configured so that a lens body thereof 10 is held by a holding frame,

wherein a rib surface at an end in a longitudinal direction of the holding frame is inclined so that a ghost light generated as a result of the deflected beam being reflected by the end in the 15 longitudinal direction of the holding frame is changed in light path in a sub-scan direction.

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10. An image forming apparatus of performing optical scanning of a photosensitive surface of a photosensitive medium by an optical scanning device, 25 forming a latent image, and visualizing the latent image,

wherein the optical scanning device performing
the optical scanning of the photosensitive surface of
the photosensitive medium condenses the beam deflected
by a light deflector, by a scanning and imaging lens
5 toward a surface to be scanned as the photosensitive
surface to form a beam spot thereon, and scans the
surface to be scanned by the beam spot,

wherein at least one lens of the scanning and
imaging lens is configured so that a lens body thereof
10 is held by a holding frame,

wherein a rib surface at an end in a
longitudinal direction of the holding frame is inclined
so that a ghost light generated as a result of the
deflected beam being reflected by the holding frame is
15 turned outside of an effective writing range in a main
scan direction.

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11. An image forming apparatus of performing
optical scanning of a photosensitive surface of a
photosensitive medium by an optical scanning device,
forming a latent image, and visualizing the latent image,
25 wherein the optical scanning device performing

the optical scanning of the photosensitive surface of
the photosensitive medium condenses the beam deflected
by a light deflector, by a scanning and imaging lens
toward a surface to be scanned as the photosensitive
5 surface to form a beam spot thereon, and scans the
surface to be scanned by the beam spot,

wherein at least one lens of the scanning and
imaging lens is configured so that a lens body thereof
is held by a holding frame,

10 wherein a rib surface at an end in a
longitudinal direction of the holding frame is curved
so that a ghost light generated as a result of the
deflected beam being reflected by the holding frame
forms a beam spot sufficiently spread on the surface to
15 be scanned.

20 12. An optical scanning method of condensing
a beam deflected by a light deflector, by a scanning and
imaging lens toward a surface to be scanned to form a
beam spot thereon, and scanning the surface to be
scanned by the beam spot,

25 wherein at least one lens of the scanning and

imaging lens is configured so that a lens body thereof is held by a holding frame,

wherein a rib surface at an end in a longitudinal direction of the holding frame is inclined 5 so that a ghost light generated as a result of the deflected beam being reflected by the end in the longitudinal direction of the holding frame is changed in light path in a sub-scan direction.

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13. An optical scanning method of condensing a beam deflected by a light deflector, by a scanning and 15 imaging lens toward a surface to be scanned to form a beam spot thereon, and scanning the surface to be scanned by the beam spot,

wherein at least one lens of the scanning and imaging lens is configured so that a lens body thereof 20 is held by a holding frame,

wherein a rib surface at an end in a longitudinal direction of the holding frame is inclined so that a ghost light generated as a result of the deflected beam being reflected by the holding frame is 25 turned outside of an effective writing range in a main

scan direction.

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14. An optical scanning method of condensing a beam deflected by a light deflector, by a scanning and imaging lens toward a surface to be scanned to form a beam spot thereon, and scanning the surface to be 10 scanned by the beam spot,

wherein at least one lens of the scanning and imaging lens is configured so that a lens body thereof is held by a holding frame,

wherein a rib surface at an end in a 15 longitudinal direction of the holding frame is curved so that a ghost light generated as a result of the deflected beam being reflected by the holding frame forms a beam spot sufficiently spread on the surface to be scanned.

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15. An optical scanning device condensing a 25 beam deflected by light deflecting means, by scanning

and imaging means toward a surface to be scanned to form a beam spot thereon, and scanning the surface to be scanned by the beam spot,

5 wherein at least one lens of the scanning and imaging means is configured so that a lens body thereof is held by a holding frame,

10 wherein a rib surface at an end in a longitudinal direction of the holding frame is inclined so that a ghost light generated as a result of the deflected beam being reflected by the end in the longitudinal direction of the holding frame is changed 15 in light path in a sub-scan direction.

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16. An optical scanning device condensing a beam deflected by light deflecting means, by scanning and imaging means toward a surface to be scanned to form a beam spot thereon, and scanning the surface to be 20 scanned by the beam spot,

wherein at least one lens of the scanning and imaging means is configured so that a lens body thereof is held by a holding frame,

25 wherein a rib surface at an end in a

longitudinal direction of the holding frame is inclined so that a ghost light generated as a result of the deflected beam being reflected by the holding frame is turned outside of an effective writing range in a main 5 scan direction.

10 17. An optical scanning device condensing a beam deflected by light deflecting means, by scanning and imaging means toward a surface to be scanned to form a beam spot thereon, and scanning the surface to be scanned by the beam spot,

15 wherein at least one lens of the scanning and imaging means is configured so that a lens body thereof is held by a holding frame,

wherein a rib surface at an end in a longitudinal direction of the holding frame is curved 20 so that a ghost light generated as a result of the deflected beam being reflected by the holding frame forms a beam spot sufficiently spread on the surface to be scanned.